PEO STRI

Visit the Live Training Community Portal at: LT2Portal.org



COL Mike Flanagan

PM, Training Devices (PM TRADE)



Team Live Training



LIVE TRAINING COMMUNITY

U.S. ARMY

PM TRADE

TCM - LIVE

HOME | WELCOME | NEWS/EVENTS | PRODUCTS | STANDARDS | REFERENCES | DEVELOPERS | PM TOOLS | SUPPORT | LOGIN | REGISTER

LOGIN

USER NAME

PASSWORD

Login

Register

Reset Password

WELCOME

COL Michael P. Flanagan
Project Manager, TRADE

COL Stanley "Gene" Reedy
Director, TCM-Live

Welcome to the Live Training Community portal, where we develop, support and communicate our Live Training initiatives for the Army. Our intent is to facilitate communication with developers, users, and our industry partners to support standards and common solutions for Live Training. Our goal is to reduce total ownership costs while improving quality, interoperability, and reusability across Live, Virtual, Constructive, and Joint training/test domains for our Soldiers, our joint Services partners, and the Nation.

WELCOME

NEWS/EVENTS

PRODUCTS

STANDARDS

REFERENCES

DEVELOPERS

PM TOOLS

SUPPORT

FEEDBACK



Emerging Requirements

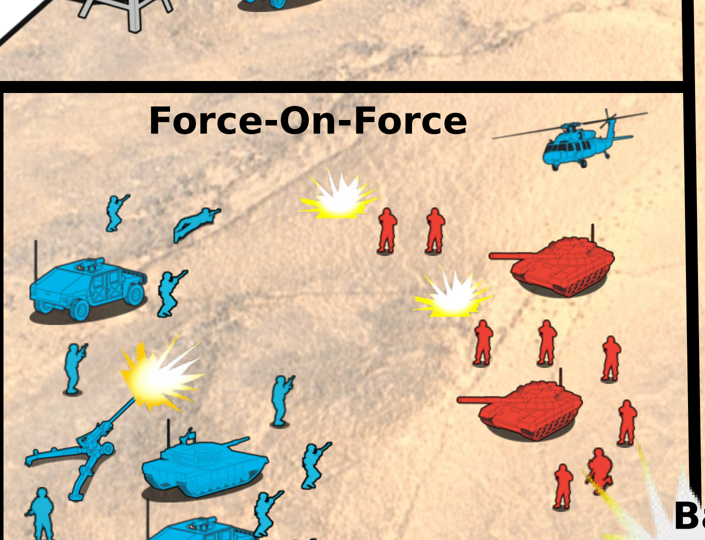


T-IS

Training Instrumentation Syster

Field TOC

CTC ExCon / Homestation / Live Fire Range Ops. Center



Force-On-Target

Targets

Urban Operations

Battlefiel
d Effects

ExCon & Comms

ExCon, AAR, RF Comms. ABCS, & Network Data Management

PM CTIS T-IS

Simulated Fire

Combined Arms Engagement Pairing BLUFOR & OPFOR

PM LTS A-TESS

Live Fire

nstrumented Urban Operations, & Battlefield Effects

PM DT FASIT

Standards Management (CTIA, A-TESS, FASIT) - APM TRADE

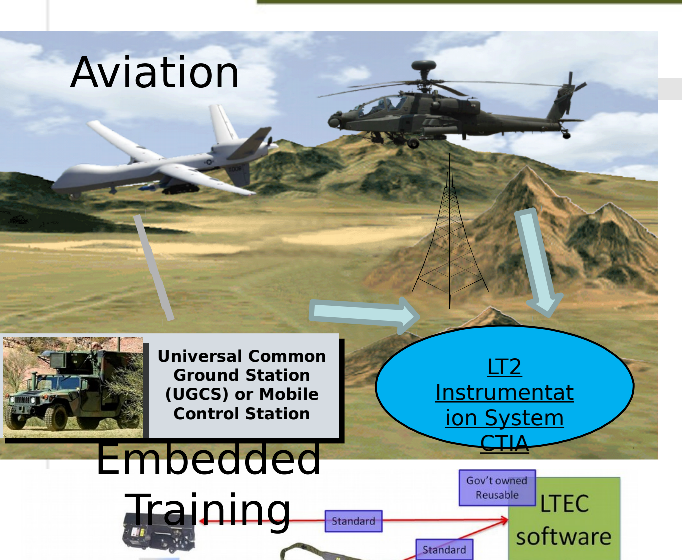


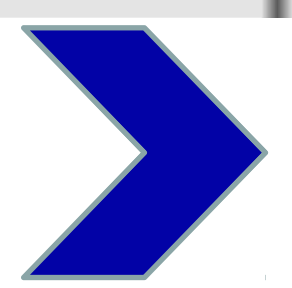
Future Business Areas





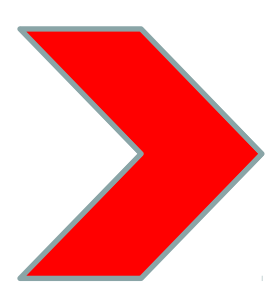
Aviation





- Incorporate UAS into Live Training
- Develop a MUM engagement capability
- Open Architecture/CTIA based
- Engage with FACE on Embedded Aviation
- Common Air/Ground Network

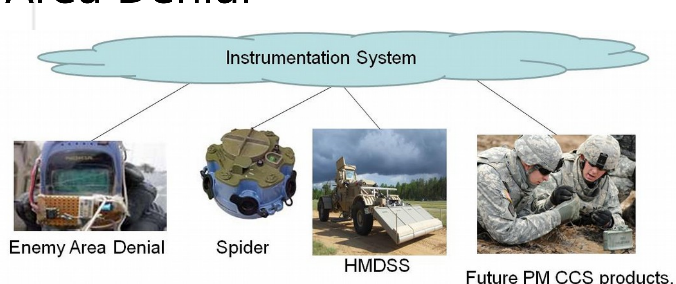
Embedded Training

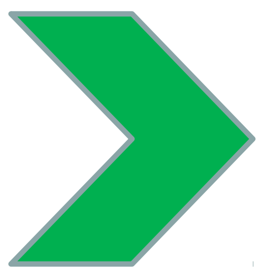


- Vehicular Integration for C4ISR/EW Interoperability (VICTORY)
- Standard for ground vehicles
- Component based acquisitions
- PM TRADE Initiatives
  - Multifunction Vehicle Port Standard
  - Live Training Engagement Composition



Area Denial





- Develop explosive standards for training
- Integrate into Force on Force environment
- Make the system instrumentable
- Provide mechanism to be able to add additional PM Close Combat Support products



PM TRADE/PM ITTS Partnership





- **Test and Training (T&T) Initiatives**
  - Real Time Casualty Assessment (RTCA) enhancements. Ex: RTCA for new weapon systems, improve laser technology, embedded software
  - Data Collection (data reporting and visualization). Ex: Enhance CTIA to support test community data analysis requirements
  - After Action Review
  - RF Network Improvements

- **Achievements**
  - 1st Board of Directors meeting
  - Signed charter between organizations
  - Completed Phase 1 of the MILES testbed at the STTC
  - Began new initiative to develop a field capability for the MILES testbed
  - Began development of the Multi-

Army-wide efficiencies through common T&T requirements, contracts and deploying common systems.



Business Opportunities



Industry Business Development Planning Map

Communicating With Industry

PM TRADE

PM TRADE

Program Development Timeline Estimates and Information Release Terminology

Consistency & Quality

① **Request For Information (RFI)** Market Research
- ✓ Initial Investigation of Industry Base Capability
- ✓ Limited Technical/ Business Case Information to Frame Investigation
- ✓ Phone Calls, Open House, Contractor Plant Visits, etc...

② **Sources Sought**
- ✓ 1st Draft Technical Documentation for Industry Comment
- ✓ Draft Business Case Information
- ✓ Industry Exchange

③ **Pink Team Review**

Sources Sought (Updated Technical Requirements Posted)
- ✓ Finalized Technical Documentation Specification, SOW, & CDRLS
- ✓ B, L, M not Established
- ✓ Business Case Information

PALT Timeline Begins

④ **Draft RFP** (Sections A-M)
- ✓ Complete Draft RFP
- ✓ Industry Day with 1-on-1s

⑤ **Acq. Center SRB**

Final RFP

⑥ **Proposals Due**

Market Research Phase – PM Office Managed | RFP Phase – Acquisition Center Managed

Open Discussions No Information Sharing	Open Discussions - Info Sharing Reflected In Req. Docs. Update w/Change Highlights	Open Discussions -- Info Sharing Reflected In Draft RFP w/Change Highlights	All Questions in Writing thru Contracting POC - Responses Published to All Offerors

Proposals Due in ~ ... …D~270 | D~180 | D~120 | D~90 | D~60/45 | D-0

Rough Planning Timelines

Approximate Timelines Adjusted +/- Based on Program Complexity

15

PM TRADE Acquisition Transformation: Process / Product / Organization

"Rosetta Stone"

- AI 16: Communications with Industry
- Common Terminology
- Consistent Process
- Improving RFP Quality



Business Opportunities



Organization	**Program**	**RFP Release***	**Award Date***
PM CTIS	AMITS	Mar 2012	4thQtr13
PM LTS	OneTESS	Apr 2014 ~~Jan 2013~~	Sep 2014 ~~Sep 2013~~
PM LTS	MEEFS	Jan 2014	Sep 2014
APM	CATSD	Nov 2012 Jan 2013	Apr 2013 Jun 2013
APM	N-CHS	~~Jun 2012~~	~~Oct 2012~~

APM FMS	Armenia Instrumented MILES	Oct 2012	Jan 2013

N-CHS Postponed Indefinitely Due to Funding

*All Dates are Tentative

AMITS – Army Mobile Instrumented Training System
OneTESS – One Tactical Engagement Simulation System

MEEFS – Munitions Explosive Effects Family of Systems
CATSD -- Common Armor Target Silhouette Development



Army Mobile Instrumented Training System (AMITS)



Description/Summary of Program Requirements

PEO STRI Project Manager for Training Devices (PM TRADE) has a requirement to procure up to nineteen (19) Army Mobile Instrumented Training Systems (AMITS) at a fielding rate of one per quarter beginning in 4Q13 and ending in 4Q18. The AMITS, with existing TESS and future TESS, will provide the end-to-end Home Station Training Capability in a mobile configuration. AMITS consists of a mobile instrumentation control center with AAR capability, a bi directional communications network between the vehicles and soldiers equipped with future TESS, and has the capability for remote configuration management updates. Future indirect fire pairings will rely on AMITS to complete player RTCA pairings and not the MILES laser. OCONUS sites include Hawaii, Alaska, Germany, and Korea. PM TRADE will not fund any development under the initial effort.

To Be Addressed During Industry Day Discussions

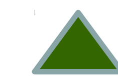
ACQUISITION STRATEGY

- Contract Vehicle: TBD
- Contract Type: TBD
- Challenge is a system flexible enough to meet spectrum requirements for CONUS and OCONUS with reduced support / sustainment costs

PERIOD OF PERFORMANCE

- Base year award with 4 option years
- First Delivery 8-9 Months After Award

MILESTONES

Jun 12	Oct 12	Mar 13	4th Qtr13
			
RFI	Sources Sought	RFP	Contract Award

POINT OF CONTACT

Name: Rob Wolf

Organization: PEO STRI / PM TRADE

Phone: (407) 384-5233

Email: rob.wolf1@us.army.mil

FUNDING

- OPA FY 13 – 18: ~ $143 Million
- Base award FY13 (1 Range)

CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)

- New procurement



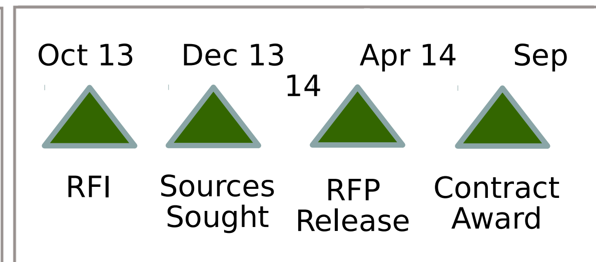
One Tactical Engagement Simulation System (OneTESS)



Description/Summary of Program Requirements

Mission – OneTESS Increment 1 will provide a battalion and below exercise live Force-on-Force training capability for the IBCT (dismounted) mortars (60mm/81mm/120mm) and Forward Observer at Home Station, Combat Maneuver Training Centers, and deployed sites.

OneTESS will provide the ability to integrate into training instrumentation systems such as the Homestation Instrumentation Training System (HITS), Combat Training Center-Instrumentation System (CTC-IS), and interoperable with I-MILES.



ACQUISITION STRATEGY

- TBD based on results of Market Research

PERIOD OF PERFORMANCE

- Base year award with option years

MILESTONES

Oct 13	Dec 13	Apr 14	Sep 14
RFI	Sources Sought	RFP Release	Contract Award

POINT OF CONTACT

Name: Mr. Todd Kosis
Organization: PEO STRI / PM LTS
Phone: (407) 384-5352
Email: todd.kosis@us.army.mil

FUNDING

- ~ $14M OPA over FY13 – FY15

CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)

- New procurement



OneTESS Mortar Capability
Major Components/Interfaces



OneTESS Mortar Components

Mortar Kit (60mm, 81mm, 20mm)
- Barrel collar
- Mortar simulator round
- WOM processing unit
- Optical sensor
- Player unit (w/ radio interface)

Forward Observer Kit
- Player unit
- FO Tablet



Interfaces to CTCs and HITS via the Instrumentation Radio





Munitions Explosive Effects Family of Systems (MEEFS)



Description/Summary of Program Requirements

Mission – MEEFS will provide a brigade and below exercise live Force-on-Force training capability for Spider Networked Munitions, Husky Mounted Detection System Surrogate (HMDSS), and Enemy Area Denial Systems at Home Station, Combat Maneuver Training Centers, and deployed sites.





MEEFS will provide the ability to integrate into training instrumentation systems such as the Homestation Instrumentation Training System (HITS), Combat Training Center-Instrumentation System (CTC-IS), and interoperable with I-MILES and Improvised Explosive Device Effects Simulator.

ACQUISITION STRATEGY

- TBD based on results of Market Research

PERIOD OF PERFORMANCE

- Base year award with option years

MILESTONES

Jan 13	Jun 13	Jan 14	Sep 14
RFI	Sources Sought	RFP Release	Contract Award

POINT OF CONTACT

Name: Mr. Ron Inmon

Organization: PEO STRI / PM LTS

Phone: (407) 256-7654

Email: ron.inmon@us.army.mil

FUNDING

- ~ $40 M OPA over FY14 – FY18

CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)

- New procurement



Target Modernization
Common Armor Target Silhouette Development



Description/Summary of Program Requirements

The Common Armor Target Silhouette will be designed and developed to create a family of standard armor silhouettes usable on all live fire training ranges, allowing for the creation of a National Stock Number to support ordering and resupply, and to reduce the overall weight of the armor silhouettes. The aim will focus on the manufacturing, replication, recycling, durability, and ability to support current Combat Identification (CID) technologies. This effort will develop only a limited number of target silhouettes. If the concept/technologies prove viable, additional silhouettes will be developed. All silhouette parameters are defined within TC 25-8.

This effort was delayed to support a detailed Cost Benefit Analysis in conjunction with PM ITTS to validate/quantify the life cycle cost avoidances to be realized via the change in silhouette materials.

ACQUISITION STRATEGY

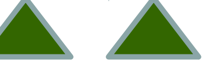
- CARTS IDIQ; LOT III
- Competitive (Phases II and III)
- Singe Award
- Phase II: Definition and Prototype
- Phase III: Options to define and build each TC 25-8 armor silhouette type

PERIOD OF PERFORMANCE

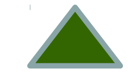
- June 2013 to March 2014 (base)
- February 2014 to May 2015 (options)

MILESTONES

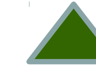
Jul 12 — RFI



Nov 12 — Sources Sought



Jan 13 — RFP



Jun 13 — Contract Award

POINT OF CONTACT

Name: Mr. James Todd

Organization: PEO STRI / APM TRADE

Phone: (407) 384-3905

Email: james.todd3@us.army.mil

FUNDING

- ~ $100K RDT&E Phase I (awarded)
- ~ $300K RDT&E Phase II
- ~ $1,500K RDT&E Phase III (options)

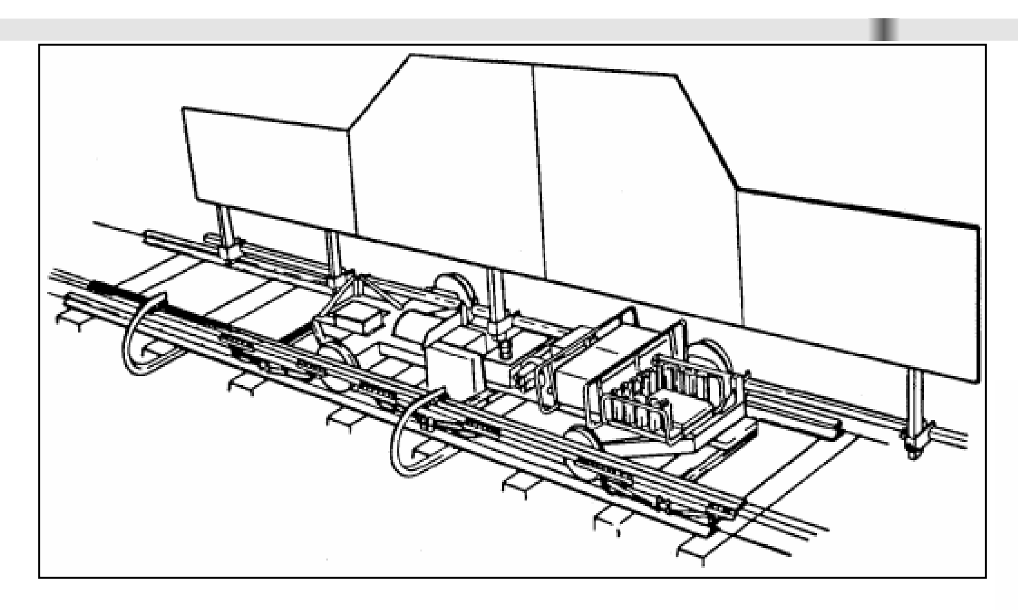
CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)

- Phase I – Proof of Principle – Analytical Services (awarded April 2012 via PM ITTS)
- Phase II and III - New procurement



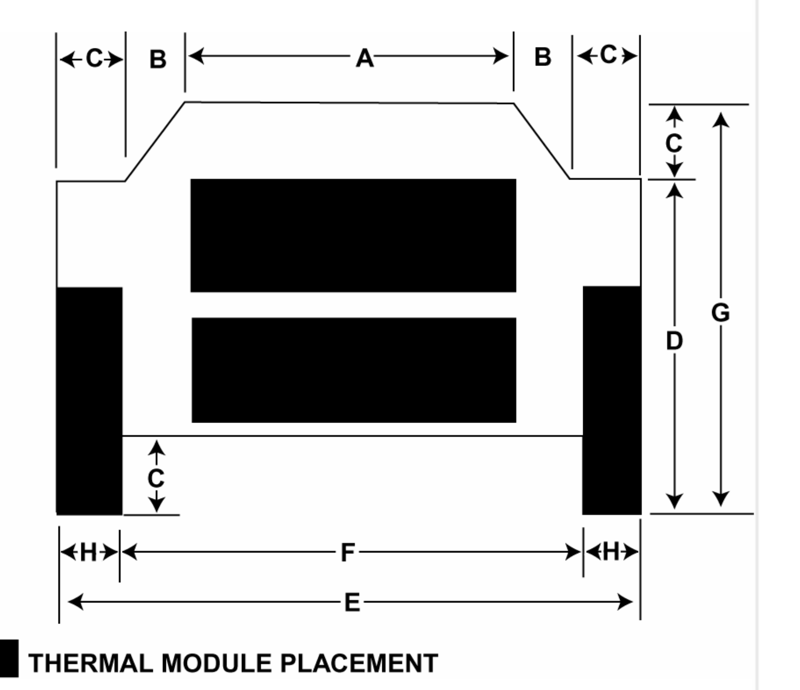
Target Modernization
Common Armor Target Silhouette Development





- The CATS silhouettes geometry and profiles will meet the defined standards in TC 25-8
- There are no expected modifications to be made to the lifting devices to support the CATS silhouettes other than the holding clamps

- The CATS silhouettes will support the ROC-V/CID overlays and thermal overlays





LIVE TRAINING COMMUNITY





HOME | WELCOME | NEWS/EVENTS | PRODUCTS | STANDARDS | REFERENCES | DEVELOPERS | PM TOOLS | SUPPORT | LOGIN | REGISTER

LOGIN

USER NAME

PASSWORD

Login

Register

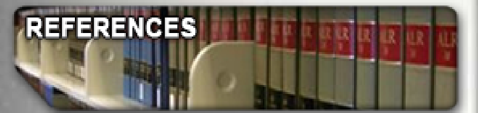
Reset Password

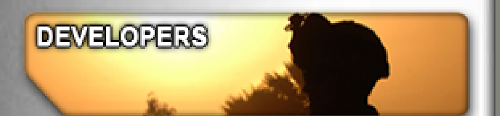
















WELCOME

FEEDBACK

www.LT2Potral.org